

20010412.ba v03_n143.bam.20010412

>From ???@??? Thu Apr 12 10:16:32 2001 -0500
Message-Id: <200104121516.f3CFGDpJ011746@sco.theporch.com>
Date: Thu, 12 Apr 2001 10:15:26 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3143

BOATANCHORS Digest 3143

Topics covered in this issue include:

- 1) Re: HRO sensitivity
by Mike Feher <n4fs@monmouth.com>
- 2) Re: HRO sensitivity
by Arden Allen <gumbear@pacbell.net>
- 3) RE: Replace Selenium Rectifier in Tek Scope
by "Ed Tanton" <n4xy@att.net>
- 4) Re: Replace Selenium Rectifier in Tek Scope
by Arden Allen <gumbear@pacbell.net>
- 5) Re: TUBE CADDYS
by jackiv@juno.com
- 6) Re: Remler info?
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 7) Help
by barrie99@marsweb.com
- 8) Re: Help
by Mike Feher <n4fs@monmouth.com>
- 9) Question about Steelcase Desk Option for Johnson Desk KW
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 10) Re: Replace Selenium Rectifier in Tek Scope
by Hank van Cleef <vancleef@adic.com>
- 11) 7591 Substitutes ??
by "Richard W. Solomon" <w1ks@tiac.net>
- 12) Re: 7591 Substitutes ??
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 13) Re: Help
by Niel Wiegand <w0vlz@arrl.net>
- 14) Re: 7591 Substitutes ??
by Arden Allen <gumbear@pacbell.net>
- 15) ID long lost BA
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 16) Re: 7591 Substitutes ??
by Arden Allen <gumbear@pacbell.net>
- 17) Re: 7591 Substitutes ??
by Edward Zeranski <ezeran@concentric.net>
- 18) Re: 7591 Substitutes ??

- by john <johnmb@mindspring.com>
19) WTB Globe Champ 150/175
by Doug Gordon <dmgordon@pacbell.net>
20) tektronix stuff
by "Robert G. Flory" <RobandPJ@compuserve.com>
21) FS: Ameco TX-86 & SBE-34
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
22) Re: Replace Selenium Rectifier in Tek Scope
by "russ dworakowski" <wb3fau@hotmail.com>
23) Re: HRO sensitivity
by "russ dworakowski" <wb3fau@hotmail.com>
24) Re: HRO sensitivity
by "russ dworakowski" <wb3fau@hotmail.com>

Date: Wed, 11 Apr 2001 11:26:08 -0400
From: Mike Feher <n4fs@monmouth.com>
Subject: Re: HRO sensitivity
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <004a01c0c29b\$bce1adc0\$20c5be18@n4fs>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I used an early HRO in my first AWA OT contest about 15 or so years ago. I was very disappointed with the ease at which it overloaded on strong nearby CW signals. While other people swore by it, and maybe when it was first introduced there were not as many high power stations on the air, I still decided to try a different receiver. So, for the several years following that first attempt with the HRO I went to a Hammarlund HQ-120 and found it to be exceptional. It even had the bandspread capability and did not have the overload problem, yet I was able to work other AWA low power stations on 80 meters out in California (I was in VA at the time). Later I obtained a Hammarlund SP-110 (Super -Pro) and I found that to be a very fine receiver as well. While I have not participated in the OT contest for several years my last two attempts were with an FB-7 and it was totally useless unless I used a preselector with it, especially on 160. The images just killed it's performance. I think we have to put in perspective when these receivers were designed and what the typical band conditions were. Back in the 30's there just were not that many stations on the air simultaneously as today nor did they run that much power, with a few exceptions. I think that pretty much prevailed through the 50's and even the early 60's. Also, back then it was not unusual to call CQ on one frequency and get a response several KHz different from our frequency since most of the stations were crystal controlled and only had a limited amount of crystals (especially so for the novices). So, for ham use, absolute frequency accuracy was not really an issue (except at band edges, HI). OK, enough from me. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell NJ, 07731
(732) 901-9193

Date: Wed, 11 Apr 2001 08:29:33 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: HRO sensitivity
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GBM00KCZWDATE@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Russ;

Been following the HRO thread with interest. I'm not sure I understand what you mean by your statement:

> That brings up the
> recent string about HRO sensitivity- its not the sensitivity thats hard
to
> achieve but the selectivity and quietness.

Setting the issue of selectivity aside, are you saying that a receiver can have lots of *gain* and be noisy as opposed to having less noise with high gain? Usually receivers are rated for sensitivity by *signal to noise ratio* without much being said about gain. I personally like a receiver that has enough gain so that the noise floor is very audible in absence of a signal. That allows my hearing to do the decoding as a signal fades into the noise without having to reach for the audio gain. A noisy receiver will add plenty of noise of its own while a quiet receiver will let you hear the antenna and/or atmospheric noise easily. Where do you place the HRO, particularly at 10 meters, with respect to these considerations?
Thanks.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: "Ed Tanton" <n4xy@att.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Replace Selenium Rectifier in Tek Scope
Date: Wed, 11 Apr 2001 11:30:44 -0400
Message-ID: <CKEGICNFDIMCEKEDCEHFMEDGGMAA.n4xy@att.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

There isn't a general answer Jim. Measure (or look up on the schematic) the original (WITH selenium) voltage, and match that after the fact. Initially you'll have to guess the current, for the wattage.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

Date: Wed, 11 Apr 2001 08:45:24 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Replace Selenium Rectifier in Tek Scope
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GBM00M3BXAZWV@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Jim;

> I'm repairing on a Tektronix 533A scope with power supply problems, and
> understand it is a good idea to replace the selenium's with modern
diodes.
> I have plenty of 1kV 1A diodes, which I assume will do the job. Since the

> new diodes will have a lower forward resistance, it sounds like a good
idea
> to include a series resistor between the rectifiers and filter capacitor.

In a high voltage supply the higher resistance of selenium rectifiers may not have a great effect on the output voltage of the rectifiers. You can expect the output of the silicon rectifiers to be higher but only measurement will tell you how much higher.

> What resistance should I use?

Reducing the voltage by adding resistance is practically done empirically. The wattage of the resistor needs to be based on the power dissipated as a result of the pulsatile current flow in the rectifier-filter cap circuit. That can be done empirically also. Use a resistor size that just gets hot to the touch, not scorching.

> I would like general answer, as I'll also
> have an operational 545B with the original seleniums (which I assume are
> working ok).

I didn't know the 545B ever had seleniums. I think you mean 545 or 545A. Not sure.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

To: Old Tube Radios <boatanchors@theporch.com>
Cc: tubecollectorsassociation@egroups.com, aw288@osfn.org,
helgeson@starnetinc.net, k9gaw@juno.com, boatanchors@sco.theporch.com,
w9hna@juno.com
Date: Wed, 11 Apr 2001 10:49:28 -0500
Subject: Re: TUBE CADDYS
Message-ID: <20010411.104930.-208245.5.jackiv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: jackiv@juno.com

On Sat, 7 Apr 2001 16:19:10 -0500 jackiv@juno.com writes:
> I have 6 tube caddys, free to whoever wants. Pickup only in chicago
> northwest suburbs.
> some may have new tubes in them.
> jack 847-359-0941

the tube caddies will go to curb this afternoon, any takers call me.
hate to waste em. no space here.....
jack

Message-Id: <v03007800b6fa0d130fee@[132.235.46.182]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"
Date: Wed, 11 Apr 2001 12:18:00 -0400
To: Old Tube Radios <boatanchors@theporch.com>

From: Richard Post <post@ouvaxa.cats.ohiou.edu>
Subject: Re: Remler info?

Tom,

Remler is a well known brand among collectors of 1920s sets. I have a pair of Remler transformers such as you describe but have not had the time to determine whether they are straight broadcast RF transformers or, more likely, the IF transformers for the mid-20s Remler superhet.

The early 1920s also saw lots of parts sold to the homebrew experimenter. Parts and kits avoided some of the patent disputes. Just add that grid-leak, a couple of 01A tubes, an "amplifying transformer" (audio interstage) etc. Put them on a breadboard and listen for broadcast DX! (WLW and other 3 letter calls)

Mine came along with a neat variometer mounted on its own L-shaped wood base and panel. A regen with a stage of RF amplification would indeed be fun! I have operationally restored several home-brew sets of the era just to see how well they worked. I have been pleasantly surprised.

73, Rich KB8TAD

<fontfamily><param>Geneva</param><<<http://oak.cats.ohiou.edu/~postr/bapix/>>>

Museum of Radio and Technology

<<<http://oak.cats.ohiou.edu/~postr/MRT>> </fontfamily>

>I've acquired two old-timey devices made by Remler,

>

>Item one is a "Tuned Stage Transformer", Type 610, a small bakelite box with

>4 binding posts on top, labelled "P" and "S".

>

>Clearly a new regen project is called for,

>

>Thanks & 73 de WB6BYH

Message-ID: <3AD49EAE.1A4D@marsweb.com>
Date: Wed, 11 Apr 2001 12:13:02 -0600
From: barrie99@marsweb.com
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Help
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello:

I've been lurking the list for a bit. Find it very interesting.

I'm trying to identify a receiver I owned over 50 years ago. It was given to me by a ham when I was quite young.

I remember it as being a National and (I think) a super-regen. NC-1-10 keeps coming to mind, but I cannot find reference to that model number.

I know it was a "1 10", because it covered 1 meter to 10 meters, with plug-in coils. I can remember hearing signals with it on the ten meter band, but nowhere else.

Thank you,

Barrie Smith, W7ALW, Missoula, Montana

Date: Wed, 11 Apr 2001 14:41:51 -0400
From: Mike Feher <n4fs@monmouth.com>
Subject: Re: Help
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <00a901c0c2b7\$13ad44a0\$20c5be18@n4fs>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Barrie -

You remember correctly. There is a National One-Ten. Uses plug in coils and a few acorn tubes and I believe was introduced around 1936. It is a super-regen with an external power supply. I think I have a few of them around. What information are you looking for? Regards - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell NJ, 07731
(732) 901-9193

----- Original Message -----

From: <barrie99@marsweb.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Wednesday, April 11, 2001 2:13 PM
Subject: Help

> Hello:
>
> I've been lurking the list for a bit. Find it very interesting.
>
> I'm trying to identify a receiver I owned over 50 years ago. It was
> given to me by a ham when I was quite young.
>
> I remember it as being a National and (I think) a super-regen. NC-1-10
> keeps coming to mind, but I cannot find reference to that model number.
>
> I know it was a "1 10", because it covered 1 meter to 10 meters, with
> plug-in coils. I can remember hearing signals with it on the ten meter
> band, but nowhere else.
>
> Thank you,
>
> Barrie Smith, W7ALW, Missoula, Montana
>
>

Message-ID: <1D1B8647FA5CD411A02800508BDFD0A001628B96@stpmsx03.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Question about Steelcase Desk Option for Johnson Desk KW

Date: Wed, 11 Apr 2001 13:53:13 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi,

I am trying to determine if the desk option for the Johnson Desk KW was a custom desk made by Steelcase just for Johnson or a Steelcase 'standard' desk.

If its a 'standard' part, I'm thinking I might be able to find one at a used office furniture store.

Does anyone have a desk option for sale? Does anyone have a desk option with a nice Desk KW attached to it for sale?

73, Scott WA9WFA

Message-ID: <3AD4AA9D.339C193D@adic.com>
Date: Wed, 11 Apr 2001 13:03:57 -0600
From: Hank van Cleef <vancleef@adic.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Replace Selenium Rectifier in Tek Scope
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Tek 530/540 "A" scopes all came with silicon rectifiers. Use 1N4005 to replace bad ones.

The 533/543 also were introduced (1958) with silicon diodes.

545B (1964) was all-silicon.

Jim Hill wrote:

>
> I'm repairing on a Tektronix 533A scope with power supply problems, and
> understand it is a good idea to replace the selenium's with modern diodes.
> I have plenty of 1kV 1A diodes, which I assume will do the job. Since the
> new diodes will have a lower forward resistance, it sounds like a good idea
> to include a series resistor between the rectifiers and filter capacitor.
> What resistance should I use? I would like general answer, as I'll also
> have an operational 545B with the original seleniums (which I assume are
> working ok).
> Thanks, Jim

From: "Richard W. Solomon" <w1ksz@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 7591 Substitutes ??
Date: Wed, 11 Apr 2001 17:19:34 -0400
Message-ID: <LOBBJFMMJJCIMDIAGBJLCEBJFMAA.w1ksz@tiac.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can anyone suggest a replacement for the 7951 ? It looks like a 12v
6L6. Or does anyone have any they will part with ?

Tnx es 73, Dick, W1KSZ

Message-Id: <3.0.1.32.20010411170501.011063d8@vuse.vanderbilt.edu>
Date: Wed, 11 Apr 2001 17:05:01 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: Re: 7591 Substitutes ??
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:19 PM 4/11/2001 -0400, you wrote:

>Can anyone suggest a replacement for the 7951 ? It looks like a 12v
>6L6. Or does anyone have any they will part with ?
>

Do you mean 7591 or 7951? Since I can't find the latter in any of my
books, I'll assume the former.

This is a "super" 6V6, power tetrode, 6v filament with about twice the
dissipation of a 6V6 but in the same package. No, 6V6's will not do in
these applications. The 7591 is used mainly in mid-60's stereo amplifiers
(and to VERY good effect in most designs, esp. the McIntosh 225....).

There are several "sorta" replacements. There is a compactron (6GM5?) but
it requires a base adapter, and there is one Russian replacement that is
just a rebottled/rebased 6550, which requires alterations to the bias network.

That being said, just recently another Russian outfit (Electro Tech?
Electro Dynamic? Something like that....) started making a GEN Y00 WINE
7591 replacement. They run about \$20 each, which is dirt cheap compared
with the prices of originals, now over \$100 for NOS (see "stereo
amplifiers" above). You can get them from AES (www.tubesandmore.com).

Message-ID: <3AD4D51F.A1779D36@arrl.net>
Date: Wed, 11 Apr 2001 17:05:19 -0500
From: Niel Wiegand <w0vlz@arrl.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Help
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Barrie,

Here's a link to my page describing the 1-10:
http://www.io.com/~nielw/nat_list/110.htm

73, Niel - W0VLZ

barrie99@marsweb.com wrote:

>
> Hello:
>
> I've been lurking the list for a bit. Find it very interesting.
>
> I'm trying to identify a receiver I owned over 50 years ago. It was
> given to me by a ham when I was quite young.
>
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> keeps coming to mind, but I cannot find reference to that model number.
>
> I know it was a "1 10", because it covered 1 meter to 10 meters, with
> plug-in coils. I can remember hearing signals with it on the ten meter
> band, but nowhere else.
>
> Thank you,
>
> Barrie Smith, W7ALW, Missoula, Montana

Date: Wed, 11 Apr 2001 15:08:01 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: 7591 Substitutes ??
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GBN00BJAETMFV@mta5.snfc21.pbi.net>
MIME-version: 1.0

Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Rich;

> Can anyone suggest a replacement for the 7951 ? It looks like a 12v
> 6L6. Or does anyone have any they will part with ?

The 7591, 7591A is a high power sensitivity pentode with a 6.3 volt heater used in hi-fi's. A pair in P-P AB1 will put out 30 watts of audio. They are hard to find now and they usually go for \$25 or more on eBayou. You can find NIB quad sets going for \$200. Need I say it's audiphooole pricing? An American company, Electro Harmonix (on the web), which sells effects peddles and other goodies for musicians, is currently marketing a direct replacement 7591A built by Sovtek. Don't confuse it with the 7591XYZ, which is a 5881 pinned to plug into a 7591 socket but has to be rebiased for the 5881/6L6GB type or it will cook itself.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <3.0.1.32.20010411172509.01105b28@vuse.vanderbilt.edu>
Date: Wed, 11 Apr 2001 17:25:09 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: ID long lost BA
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am inspired to try again to ID a BA that I used when I was a kid about 100 years ago. Well, 1950's. It was military. My recollection is a unit that was about 12" wide and 18" long, though it coulda been 10" x 15" since I was a small kid. Something like 5-6" deep. It was divided into two components, the power supply and the receiver. The unit had 4 shockmounts on the "bottom", and laid flat (but could have been wall hung). The 12 v vibrator driven power supply (about 12" x 12" or 10" x 10") was in the top part, the rx (about 6" h x 12" w etc) in the bottom (if it were wall-hung). The rx had a flat tuning knob about 1.3" in diameter with a small spinner knob. Vernier tuning, no bandspread. I do not recall the bands. Miniature tubes. Definitely military construction.

The odd bit about this one was that it was painted white all over. This was not an afterthought, the panel labels were quite nicely filled.

Ring any bells? tnx A. B. Bonds

Date: Wed, 11 Apr 2001 15:36:46 -0700

From: Arden Allen <gumbear@pacbell.net>
Subject: Re: 7591 Substitutes ??
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GBN00B0KG5YGR@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

AB;

> You can get them from AES (www.tubesandmore.com).

Great! The catalog number is T-7591A-EH @ \$19.95.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <3.0.1.32.20010411163219.009c8950@pop3.concentric.net>
Date: Wed, 11 Apr 2001 16:32:19 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Edward Zeranski <ezeran@concentric.net>
Subject: Re: 7591 Substitutes ??
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:05 PM 4/11/01 -0500, A. B. Bonds wrote:

>At 05:19 PM 4/11/2001 -0400, you wrote:

>>Can anyone suggest a replacement for the 7951 ? It looks like a 12v

>>6L6. Or does anyone have any they will part with ?

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>

>Do you mean 7591 or 7951? Since I can't find the latter in any of my
>books, I'll assume the former.

>

>This is a "super" 6V6, power tetrode, 6v filament with about twice the
>dissipation of a 6V6 but in the same package. No, 6V6's will not do in
>these applications. The 7591 is used mainly in mid-60's stereo amplifiers
>(and to VERY good effect in most designs, esp. the McIntosh 225....).

Aren't those the same as EL34 used in late '50s-early'70s HiFi? EICO, given
its HiFi roots, used tubes like that and GZ-34/5AR4 in its designs like
#730 modulator.

Message-Id: <3.0.3.32.20010411202715.00ea8200@mindspring.com>
Date: Wed, 11 Apr 2001 20:27:15 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@mindspring.com>

Subject: Re: 7591 Substitutes ??
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:32 PM 4/11/01 -0700, Edward Zeranski wrote:

>Aren't those the same as EL34 used in late '50s-early'70s HiFi? EICO, given
>its HiFi roots, used tubes like that and GZ-34/5AR4 in its designs like
>#730 modulator.

....as did the Heath Apache (2x EL34 as the modulators)

John

Date: Wed, 11 Apr 2001 21:24:15 -0700
From: Doug Gordon <dmgordon@pacbell.net>
Subject: WTB Globe Champ 150/175
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <000901c0c308\$6f8de9e0\$fd20fea9@pacbell.net>

Hello All,

Would like to find a complete WRL Globe Champion 150, 160 or 175 in decent shape with coils, good iron, modulator, etc. This is the early rack model with the 812A final and quad 6L6's in the modulator. Anything out there, preferably on the left coast?

73,

Doug W6KE
Carlsbad, CA 92008

Date: Thu, 12 Apr 2001 05:35:12 -0400
From: "Robert G. Flory" <RobandPJ@compuserve.com>
Subject: tektronix stuff
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200104120535_MC2-CC26-276B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Hi,

For tektronix info, a website by retired tektronix staff, that includes a=

message board:

<http://www.reprise.com/host/tektronix/home/>

73, Rob K2WI

Message-Id: <200104121101.EAA23165@goose.prod.itd.earthlink.net>
Subject: FS: Ameco TX-86 & SBE-34
Date: Thu, 12 Apr 2001 07:01:46 -0400
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Have the following that I really do not need:

Ameco TX-68 transmitter. In good physical shape. \$ 85.00
I do not believe that it has any mods done to it.
Does not include power supply and is untested.
Plus shipping

SBE-34 transceiver. In good physical shape. \$ 145.00
Don't have the power cords - (AC or DC)
It also is untested.
Plus shipping

73
Joseph Pinner
818 Hill Street
Kingston, TN 37763

KC5IJD / NNNOPHR

Joseph W Pinner +
Kingston, TN
KC5IJD / NNNOPHR
EMail: kc5ijd@sprintmail.com

From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Replace Selenium Rectifier in Tek Scope
Date: Thu, 12 Apr 2001 10:51:24 -0400
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <LAW2-F35CIqtQvAauNj00004746@hotmail.com>

Easy Jim, just measure the dc output @ the seleniums on the good scope. Select a resistor value that gets you to the same voltage output using silicon diodes in place. By the way if those seleniums are 'frying'- do not breathe the fumes- very toxic! Russ

>From: Jim Hill <slimjimzz@home.com>
>Reply-To: slimjimzz@home.com
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: Replace Selenium Rectifier in Tek Scope
>Date: Wed, 11 Apr 2001 08:21:41 -0700
>
>I'm repairing on a Tektronix 533A scope with power supply problems, and
>understand it is a good idea to replace the selenium's with modern diodes.
>I have plenty of 1kV 1A diodes, which I assume will do the job. Since the
>new diodes will have a lower forward resistance, it sounds like a good idea
>to include a series resistor between the rectifiers and filter capacitor.
>What resistance should I use? I would like general answer, as I'll also
>have an operational 545B with the original seleniums (which I assume are
>working ok).
>Thanks, Jim
>

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From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HRO sensitivity
Date: Thu, 12 Apr 2001 11:07:45 -0400
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <LAW2-F91wiZ9rWjAKYV00004794@hotmail.com>

Arden, its not easy for me to answer that question. I don't operate much 10 meters. Some one measured a Collins R390a to have a noise floor of -141db. Thats incredible for a tube rx. The receivers that have synchronous detectors are very quiet. The signals just come out of nowhere and no background noise. To my knowledge, National did not build any receivers with synchronous detectors. But they are quiet. Some one told me Natioal went broke trying to make receivers quiet. I don't think I answered your question, but some food for thought? Russ

>From: Arden Allen <gumbear@pacbell.net>
>To: wb3fau@hotmail.com, Old Tube Radios <boatanchors@theporch.com>
>Subject: Re: HRO sensitivity

>Date: Wed, 11 Apr 2001 08:29:33 -0700
>
>Hi Russ;
>
>Been following the HRO thread with interest. I'm not sure I understand
>what you mean by your statement:
>
> > That brings up the
> > recent string about HRO sensitivity- its not the sensitivity thats hard
>to
> > achieve A noisy receiver
>will add plenty of noise of its own while a quiet receiver will let you
>hear the antenna and/or atmospheric noise easily. Where do you place the
>HRO, particularly at 10 meters, with respect to these considerations?
>Thanks.

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From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HRO sensitivity
Date: Thu, 12 Apr 2001 11:14:56 -0400
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <LAW2-F67FmsQSkLxHb00002f9a@hotmail.com>

Arden, You get what you pay for. Better signal to noise ratios
can be had , it just costs more. Russ

>From: Arden Allen <gumbear@pacbell.net>
>Reply-To: gumbear@pacbell.net
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: Re: HRO sensitivity
>Date: Wed, 11 Apr 2001 08:29:33 -0700
>
>Hi Russ;
>
>Been following the HRO thread with interest. I'm not sure I understand
>what you mean by your statement:
>
> > That brings up the
> > recent string about HRO sensitivity- its not the sensitivity thats hard
>to
> > achieve but the selectivity and quietness.

>
>Setting the issue of selectivity aside, are you saying that a receiver can
>have lots of *gain* and be noisy as opposed to having less noise with high
>gain? Usually receivers are rated for sensitivity by *signal to noise
>ratio* without much being said about gain. I personally like a receiver
>that has enough gain so that the noise floor is very audible in absence of
>a signal. That allows my hearing to do the decoding as a signal fades into
>the noise without having to reach for the audio gain. A noisy receiver
>will add plenty of noise of its own while a quiet receiver will let you
>hear the antenna and/or atmospheric noise easily. Where do you place the
>HRO, particularly at 10 meters, with respect to these considerations?
>Thanks.
>
>Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net
>

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